



US Army Corps
of Engineers

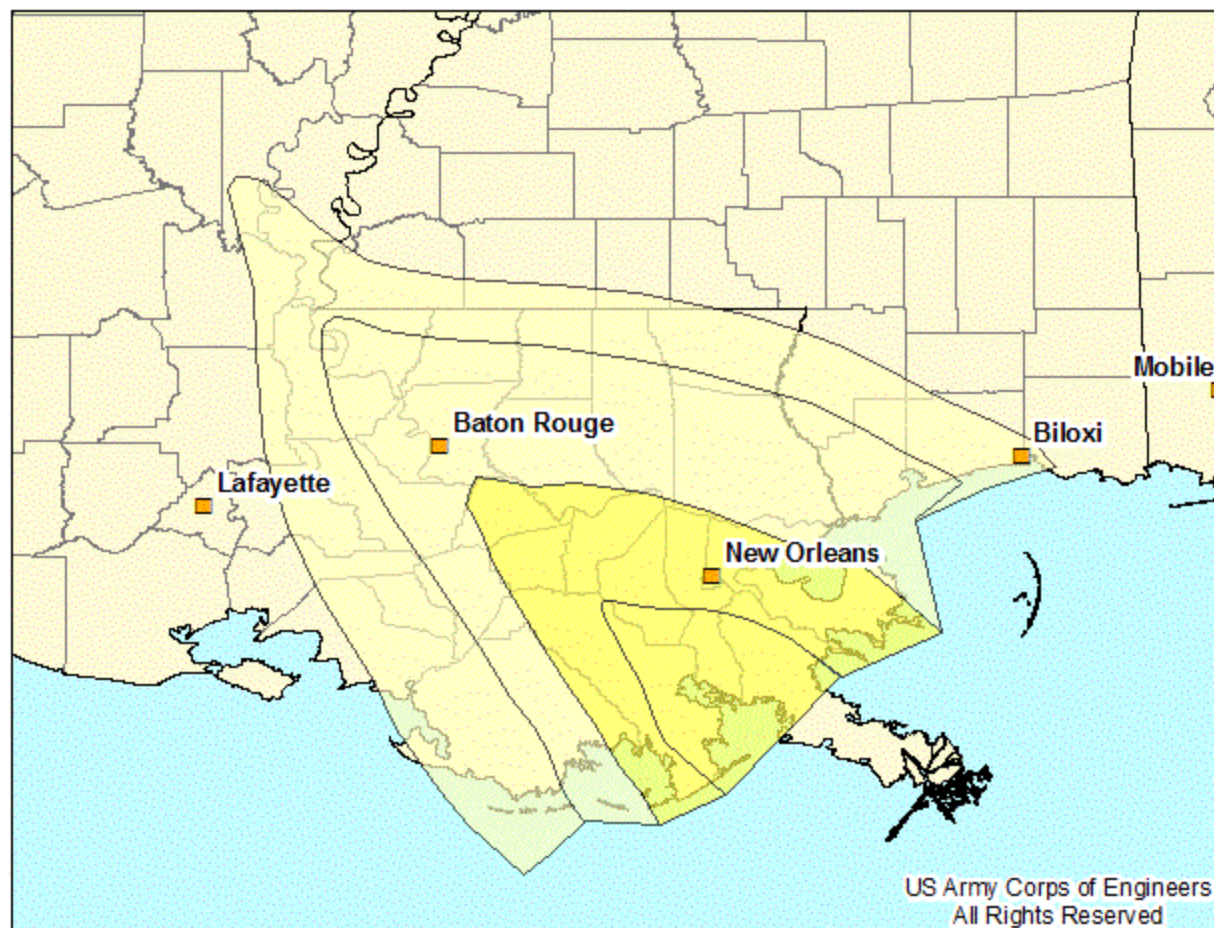
Hurricane Isaac Projected Damage Areas

Landfall Expected In About **8** Hours

**For Planning
Purposes Only!**

Post Landfall Projected Damage Areas

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.



Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a projected or actual Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast and extrapolated by LRL staff to represent a landfall condition that has either occurred or may occur in the near future.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Projected Damage Areas

Generated By:
Siemens, LRL 1730 EDT 08/28/2012

Sources:
HURREVAC
LRL-DEBRIS

Page 1 of 18

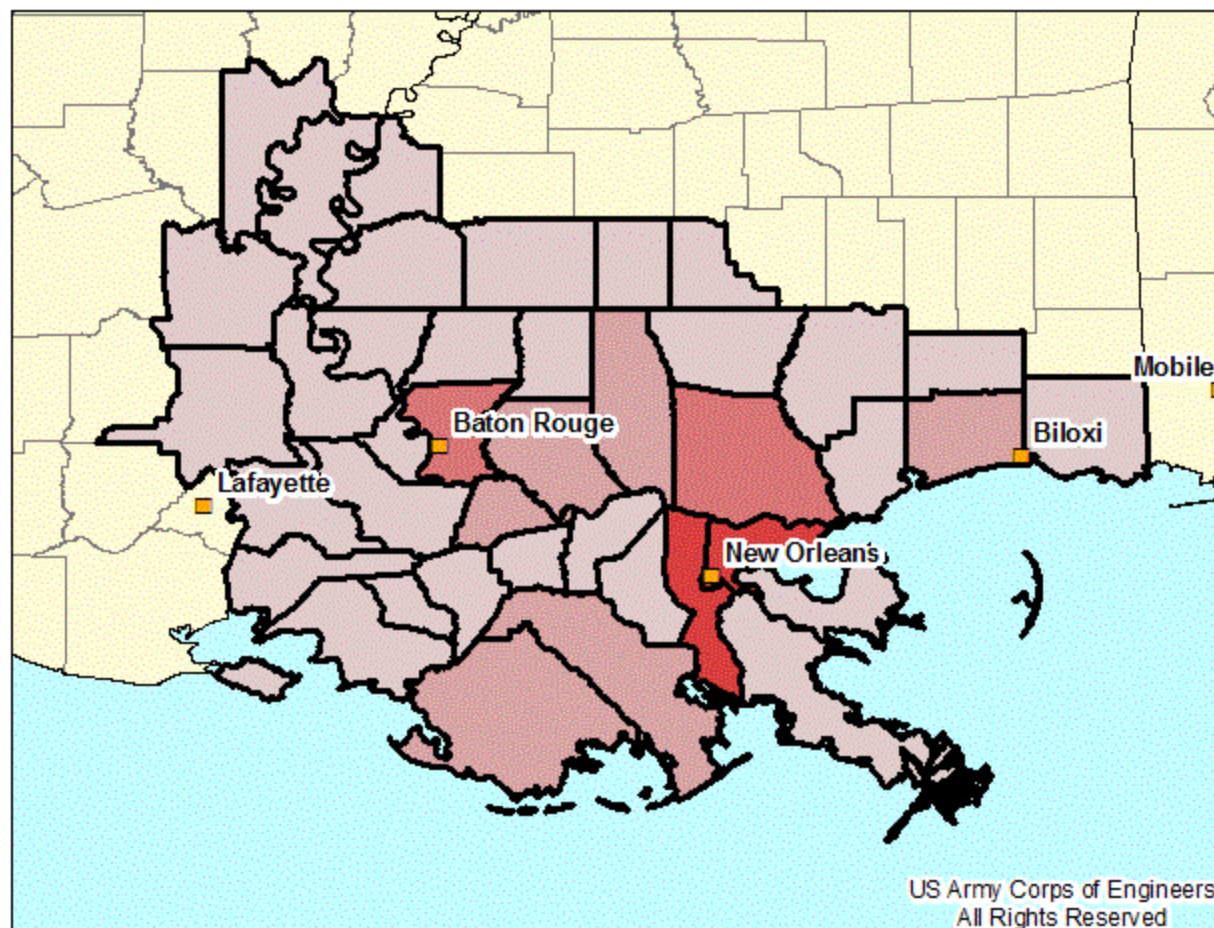


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Hurricane Isaac Debris Model

Landfall Expected In About 8 Hours

**For Planning
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0 100 200 Miles

Post Landfall Debris Model Results

Louisiana - 3,763,000 Yards
Mississippi - 398,000 Yards

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

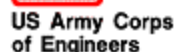
Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELR-GLS@usace.army.mil

Hurricane Isaac Debris Model

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Sources:
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Page 2 of 18



Hurricane Isaac Debris Model

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State	Yards per State	County	Yards per County
Louisiana		Ascension Parish	172,000
		Assumption Parish	25,000
		Avoyelles Parish	3,000
		Catahoula Parish	2,000
		Concordia Parish	2,000
		East Baton Rouge Parish	480,000
		East Feliciana Parish	20,000
		Iberia Parish	6,000
		Iberville Parish	31,000
		Jefferson Parish	814,000
		La fourche Parish	244,000
		Livingston Parish	177,000
		Orleans Parish	677,000
		Plaquemines Parish	41,000
		Pointe Coupee Parish	26,000
		St. Bernard Parish	84,000
		St. Charles Parish	95,000
		St. Helena Parish	15,000
		St. James Parish	34,000
		St. John the Baptist Pari	74,000
		St. Landry Parish	3,000
		St. Martin Parish	7,000
		St. Mary Parish	39,000
		St. Tammany Parish	289,000
		Tangipahoa Parish	143,000
		Terrebonne Parish	184,000
		Washington Parish	35,000
		West Baton Rouge Parish	27,000
		West Feliciana Parish	14,000
Louisiana	3,763,000		

[illegible]

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

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Hurricane Isaac Debris Model

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Page 3 of 18

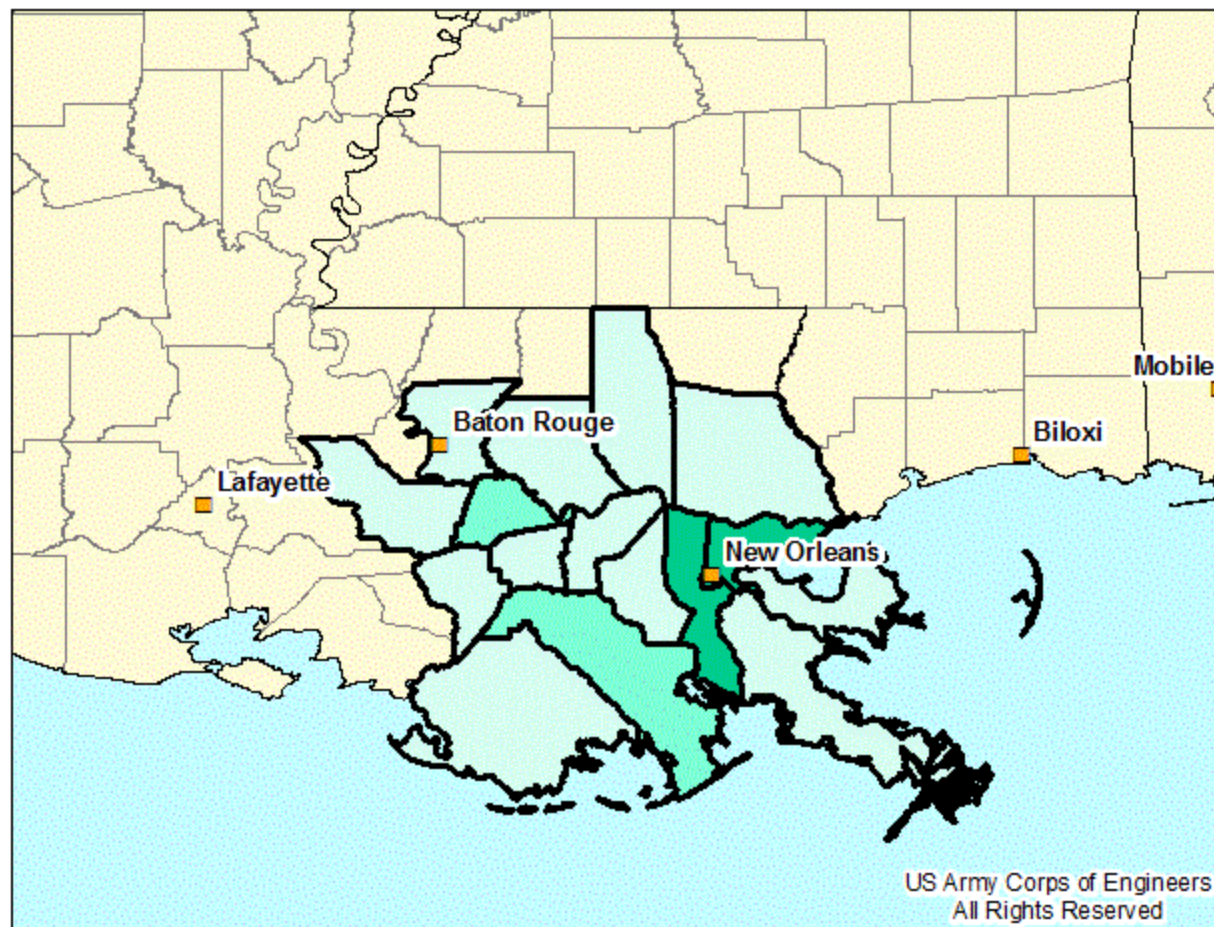


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Hurricane Isaac Commodities Model

Landfall Expected In About **8** Hours

**For Planning
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0 100 200 Miles

Post Landfall Water Model Results

Day One / Day Two / Day Three
Louisiana – 16/33/66 Truckloads

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents daily needs with a ramp-up in the distribution system – three days for Points of Distribution (PODs) to be fully in place and operational. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Commodities Model

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Sources:
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Page 4 of 18



Landfall Expected In About 8 Hours

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[illegible]

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested daily needs based on full deployment of a commodities distribution system. Volume shown is for each commodity – water and ice. Commodity need may be supplied by multiple agencies and/or sources.

Details about this model may be obtained at <http://www engl ink.usa ce.army.mil>
or contact Louisville District staff at DLL-CELR-L-GIS@usa ce.army.mil

Hurricane Isaac
Commodities Model

Generated By:
Siemens, LRL 1730 EDT 08/28/2012

Sources:
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Hurricane Isaac Temporary Roofing Model

Landfall Expected In About **8** Hours

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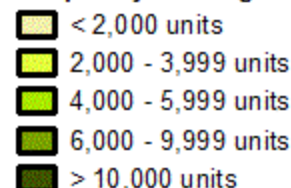
Post Landfall Temporary Roofing Model Results

Louisiana - 10,000

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Temporary Roofing



Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Roofing Model

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Page 6 of 18



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Hurricane Isaac Temporary Roofing Model

Landfall Expected In About 8 Hours

**For Planning
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State	House Units per State	County	House Units per County
Louisiana		Ascension Parish	800
		Assumption Parish	< 100
		East Baton Rouge Parish	< 100
		Iberville Parish	< 100
		Jefferson Parish	3,500
		Lafourche Parish	700
		Livingston Parish	< 100
		Orleans Parish	2,700
		Plaquemines Parish	200
		St. Bernard Parish	400
		St. Charles Parish	600
		St. James Parish	300
		St. John the Baptist Pari	500
		St. Tammany Parish	< 100
		Tangipahoa Parish	< 100
		Terrebonne Parish	300
Louisiana	10,000		

Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at <http://www.englink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Isaac Roofing Model

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Sources:
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Page 7 of 18



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Hurricane Isaac Temporary Housing Model

Landfall Expected In About **8** Hours

**For Planning
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Post Landfall Temporary Housing Model Results

No Temporary Housing need
expected

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Temporary Housing

-  < 2,000 units
-  2,000 - 3,999 units
-  4,000 - 5,999 units
-  6,000 - 9,999 units
-  > 10,000 units

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. Temporary housing is based on nothing. The number indicated represents a possible need but not necessarily the scope of mission for USACE.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Housing Model

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Sources:
HURREVAC
LRL-DEBRIS

Page 8 of 18



Hurricane Isaac Temporary Housing Model

For Planning Purposes Only!

Temporary housing is based on nothing.
The number indicated represents a possible need but not necessarily the scope of mission for USACE.

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

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Hurricane Isaac Housing Model

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Page 9 of 18



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Hurricane Isaac Population Model

Landfall Expected In About **8** Hours

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0 100 200 Miles

Post Landfall Population Model Results

Louisiana - 1,185,000

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2010 values adjusted to July 2011 values).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Population Model

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Sources:
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Page 10 of 18



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The number of persons estimated to be within the hurricane force winds comes from Census 2010 values adjusted to July 2011 values.

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Page 11 of 18

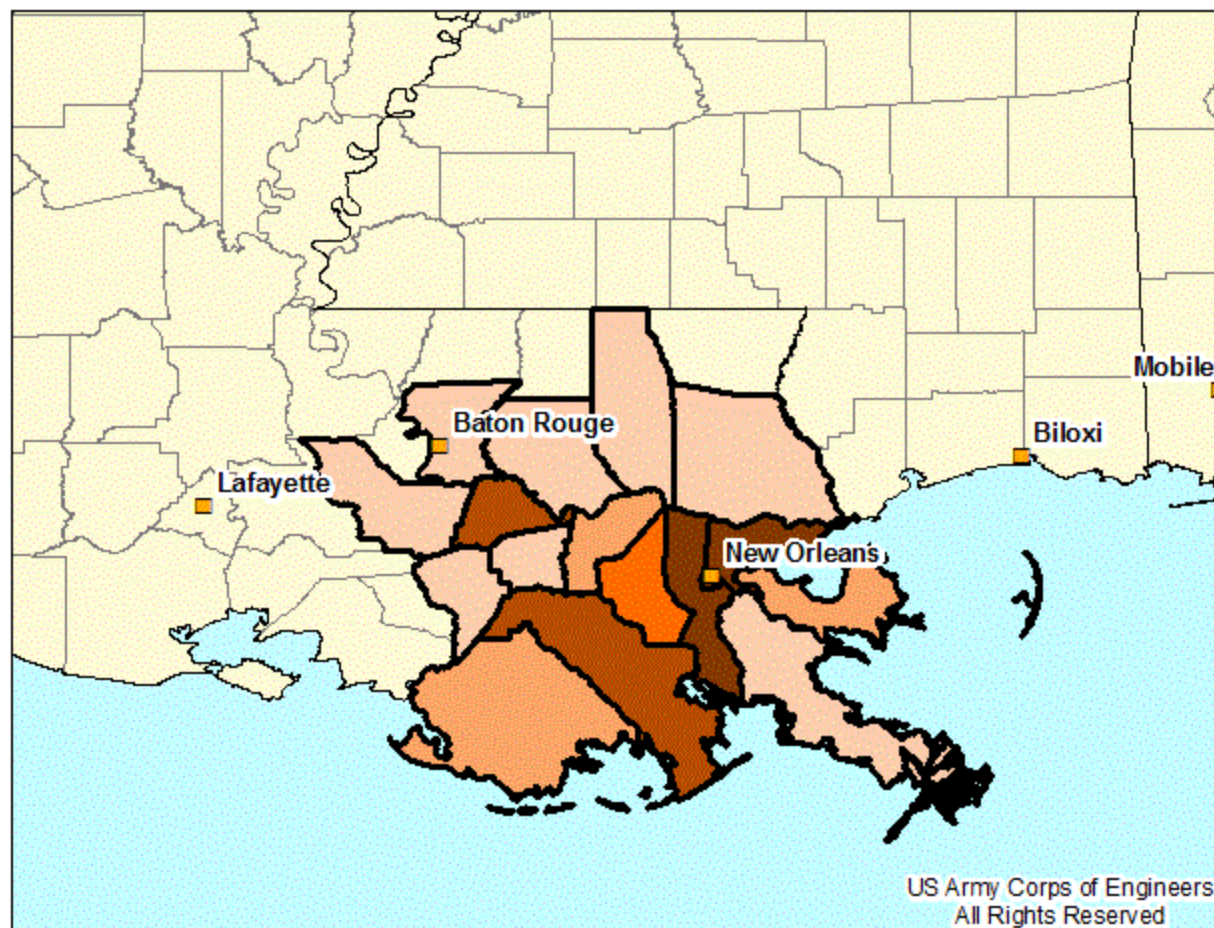


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Hurricane Isaac Households Model

Landfall Expected In About **8** Hours

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0 100 200 Miles

Post Landfall Households Model Results

Louisiana - 447,000

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50,000 households

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2010 values adjusted to July 2011 values).

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Hurricane Isaac Households Model

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Page 12 of 18



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Page 13 of 18

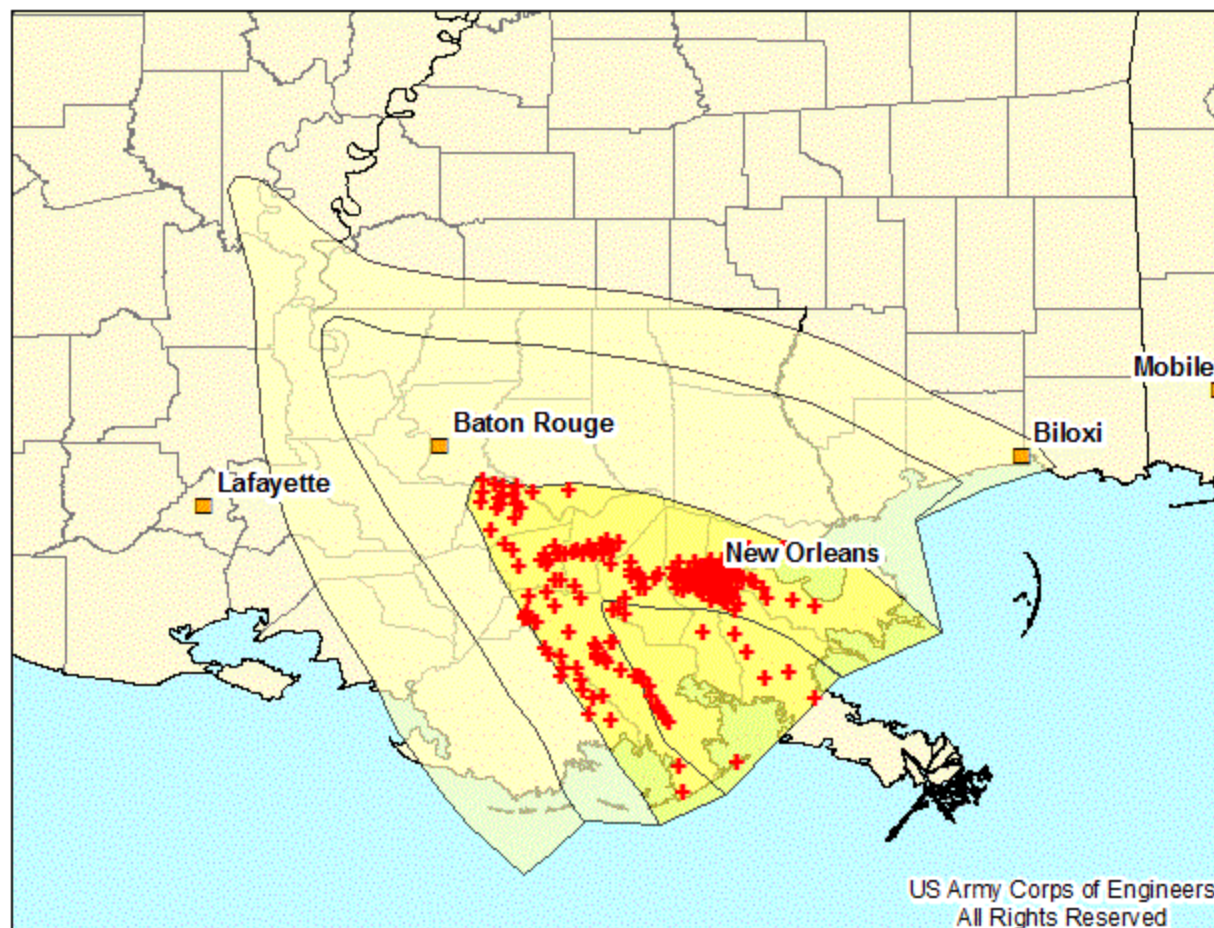


US Army Corps
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Hurricane Isaac Fire Stations

Landfall Expected In About 8 Hours

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0 100 200 Miles

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Most Probable Landfall Fire Stations Inside Hurricane Force Winds

Louisiana - 194

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

+ Fire Stations

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast.

The number of fire stations included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Fire Stations

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Sources:
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Page 14 of 18

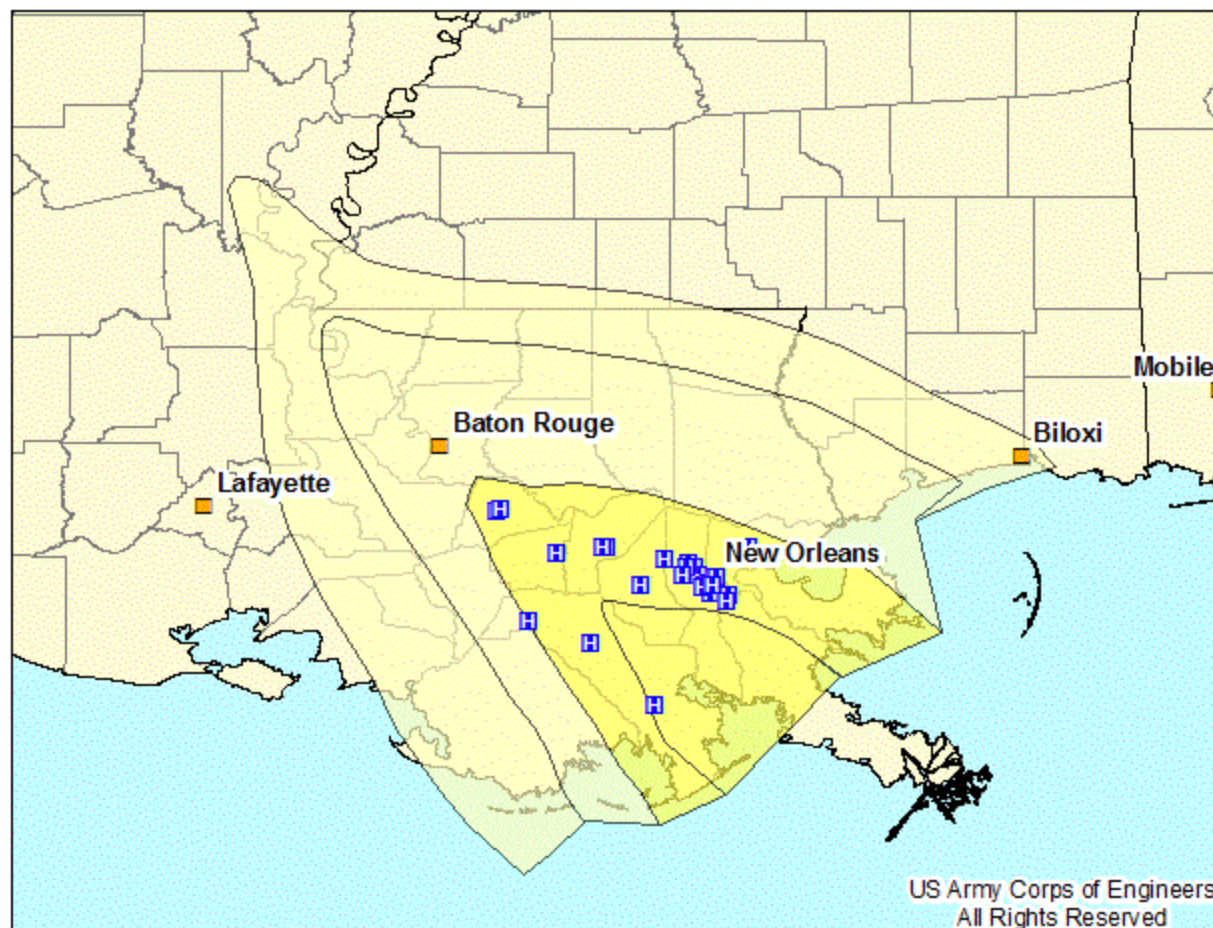


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Hurricane Isaac Hospitals

Landfall Expected In About 8 Hours

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0 100 200 Miles

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Most Probable Landfall Hospitals Inside Hurricane Force Winds

Louisiana - 35

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
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Hospitals

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast.

The number of hospitals included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Hospitals

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Page 15 of 18

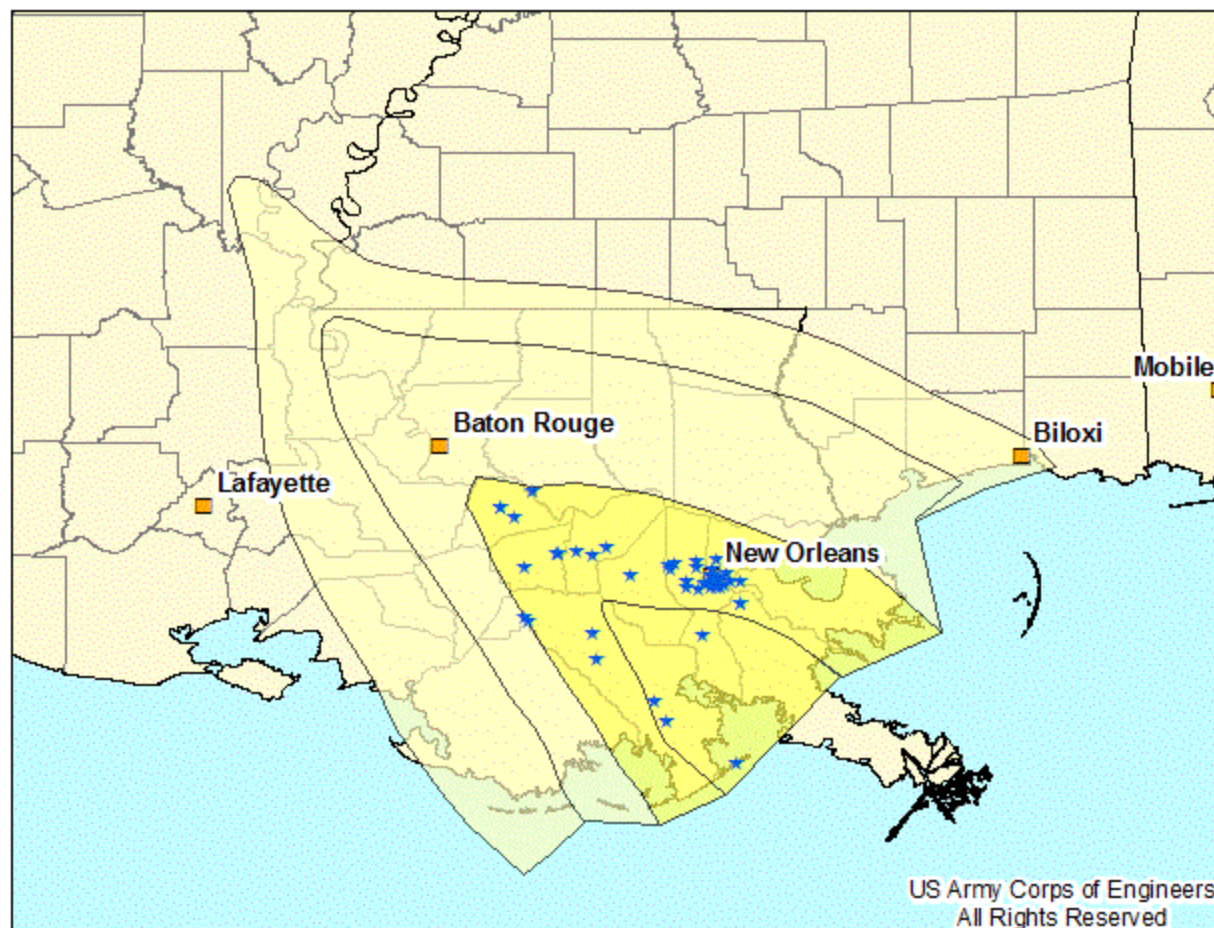


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Hurricane Isaac Law Enforcement

Landfall Expected In About **8** Hours

**For Planning
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0 100 200 Miles

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast.

The number of law enforcement included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Most Probable Landfall Law Enforcement Inside Hurricane Force Winds

Louisiana - 52

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

★ Law Enforcement

Hurricane Isaac Law Enforcement

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Sources:
HURREVAC
LRL-DEBRIS

Page 16 of 18

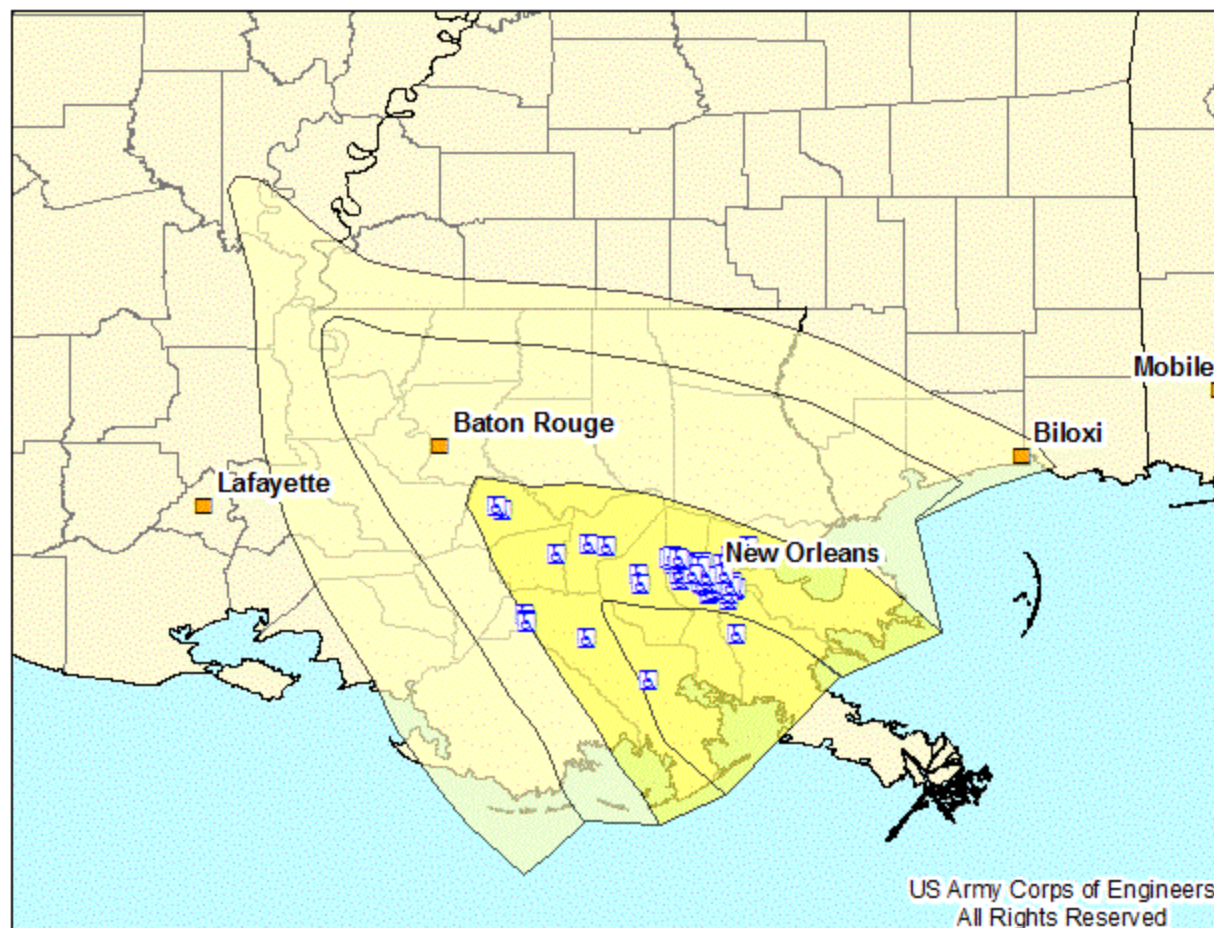


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Hurricane Isaac Nursing Homes

Landfall Expected In About 8 Hours

**For Planning
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Most Probable Landfall Nursing Homes Inside Hurricane Force Winds

Louisiana - 67

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
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0 100 200 Miles

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Nursing Homes

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast.

The number of nursing homes included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Isaac Nursing Homes

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Sources:
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Page 17 of 18

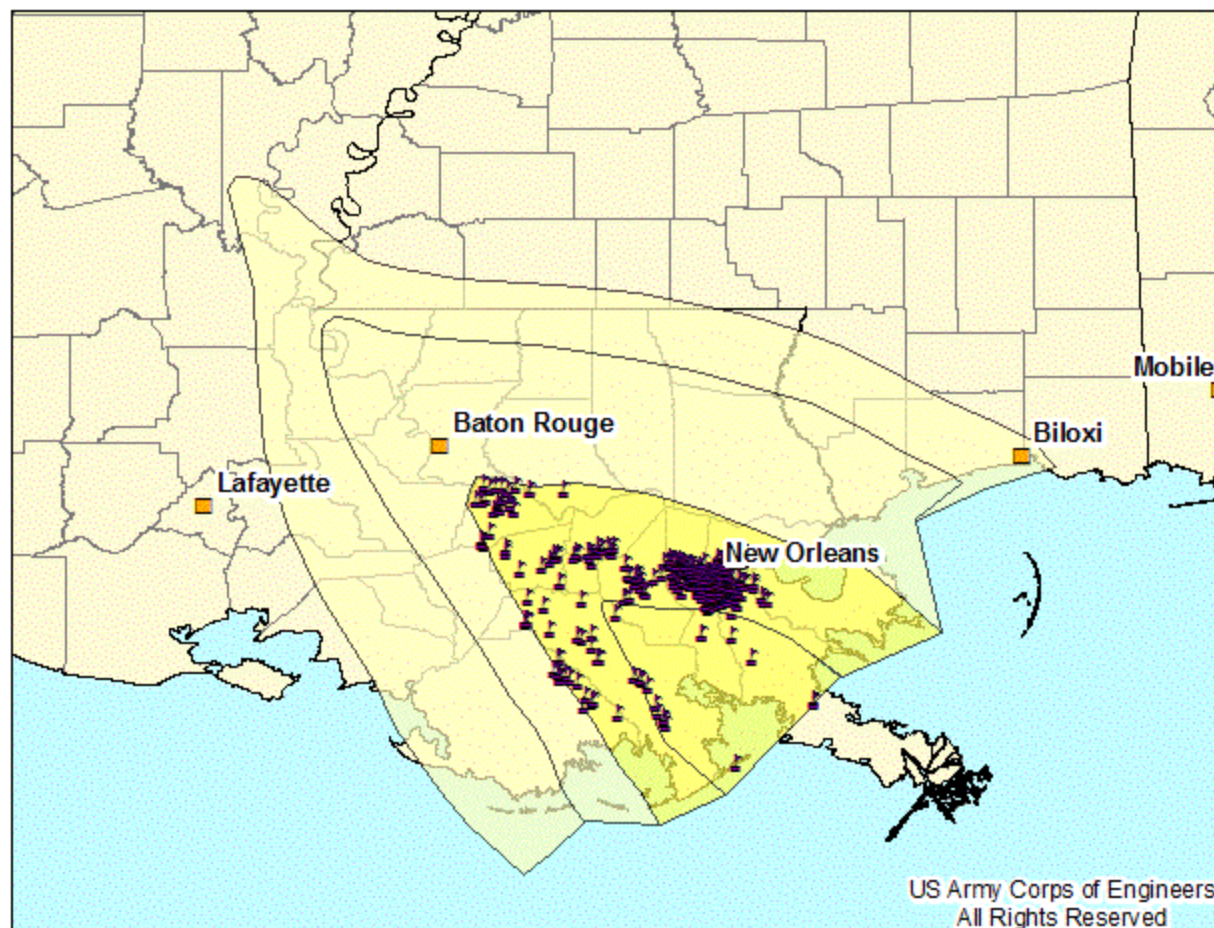


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Hurricane Isaac Schools

Landfall Expected In About 8 Hours

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0 100 200 Miles

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Most Probable Landfall Schools Inside Hurricane Force Winds

Louisiana - 358

*Model results per County on
following page*

This model is based on a
Category 1 storm making landfall
west of Mississippi River Delta.

Information provided on this page displays a Category 1 storm making landfall west of Mississippi River Delta. These projections are based on information from the NHC (1700 EDT 08/28/2012) forecast. The number of schools included in this output are those that would be included within estimated hurricane force winds (data source: HSIP Gold 2012).

Details about this model may be obtained at <http://www.enlink.usace.army.mil>
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Schools

Hurricane Isaac Schools

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Sources:
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Page 18 of 18